

Steven M. Bessette et al.  
Appl. No.: 10/759,177  
August 13, 2004

Atty. Docket No. 4380-151

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**1-24. (Canceled)**

25. (Previously Presented) A method for inhibiting the growth of breast cancer cells, the method comprising a step of applying a therapeutically effective amount of a plant essential oil compound to the breast cancer cells population for a sufficient time to observe inhibition of growth in said breast cancer cells.

26. (Previously Presented) The method of claim 25, wherein the breast cancer cells are MCF-7 cells.

27. (Previously Presented) The method of claim 25, wherein the plant essential oil compound is selected from the group consisting of aldehyde C16 (pure), amyl cinnamic aldehyde, amyl salicylate, anisic aldehyde, benzyl alcohol, benzyl acetate, cinnamaldehyde, cinnamic alcohol,  $\alpha$ -terpineol, carvacrol, carveol, citral, citronellal, citronellol, p-cymene, diethyl phthalate, dimethyl salicylate, dipropylene glycol, eucalyptol (cineole), eugenol, iso-eugenol, galaxolide, geraniol, guaiacol, ionone, d-limonene, menthol, methyl anthranilate, methyl ionone, methyl salicylate,  $\alpha$ -phellandrene, pennyroyal oil, perillaldehyde, 1- or 2-phenyl ethyl alcohol, 1- or 2-phenyl ethyl propionate, piperonal, piperonyl acetate, piperonyl alcohol, D-pulegone, terpinen-4-ol, terpinyl acetate, 4-tert butylcyclohexyl acetate, thyme oil, thymol, metabolites of trans-anethole, vanillin, and ethyl vanillin.

28. (Previously Presented) The method of claim 25, wherein the plant essential oil compound is eugenol.

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29. (Previously Presented) The method of claim 25, wherein the plant essential oil compound is thymol.

30. (Previously Presented) The method of claim 25, wherein the plant essential oil compound is isoeugenol.

31. (Previously Presented) The method of claim 25, wherein the plant essential oil compound is benzyl alcohol.

32. (Previously Presented) The method of claim 25, wherein the plant essential oil compound is carvacrol.

33. (Previously Presented) The method of claim 25, wherein the plant essential oil compound is cinnamic alcohol.

34. (Previously Presented) The method of claim 25, wherein the plant essential oil compound is cinnamic aldehyde.

35. (Previously Presented) The method of claim 25, wherein the plant essential oil compound is citronellal.

36. (Previously Presented) The method of claim 25, wherein the plant essential oil compound is trans-anethole.